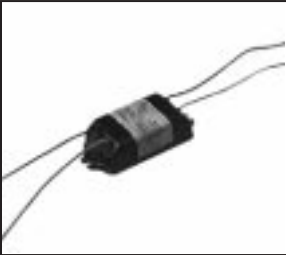


Surface/Wall Options



Radio Interference Filter
RF Inductive capacitor circuit designed to minimize interference from line radiation or feedback. 120V or 277V, 50 or 60 Hz. One per fixture standard.
Example: WA240120LERF



Cord and Plug Convenience
CPA (120V) **CPB** (277V) Factory wired six foot 3-conductor cord with a heavy-duty twist-lock plug with proper NEMA configuration for specified voltage.
Example: WA240120LECPA



Fluorescent Emergency Lighting System
EM Factory-installed emergency power battery pack with charger and inverter, concealed in fixture channel. Upon loss of AC power, operates one fluorescent lamp at reduced light output for 90 minutes. Compact, self-contained, 120V or 277V.
Example: WA240120EM



Chain Hanger Kit
Two 5' heavy duty chains with sturdy "V" hooks that grip fixtures at four knock-out points for level suspension. Catalog Number: **AH5** (SW/SD/KW/KD fixtures)



Job-Packed
PCF Uncartoned fixtures on pallets are secured by heavy-duty corrugated protectors.
Example: WA240120LEPCF



Row Couplers
Required to connect, stabilize stem or chain-mounted fixtures used in continuous rows. Catalog Number: **HDC-W** (KWS & KWA fixtures); **HDC-D** (KDS, KDA, TF fixtures)



Wire Guards
Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection. Catalog Number: **AWG1** (SN strip); **AWG3** (SW/DSD strip)



Canopy Spacer (1 1/2")
Suspends fixture approximately 1 1/2" from surface.
Catalog Number: **AC1**



Heavy Duty Slide-Grip Hanger
Hinge and latch positive-lock construction, complete with longitudinal and transverse struts for secure protection. Catalog Number: **AH4** (SD/KD) (HO/VHO) and TF fixtures).



Fusing
GLR Internal fast-blow fusing.
GMF Internal slow-blow fusing.
Example: WA240120LEGLR



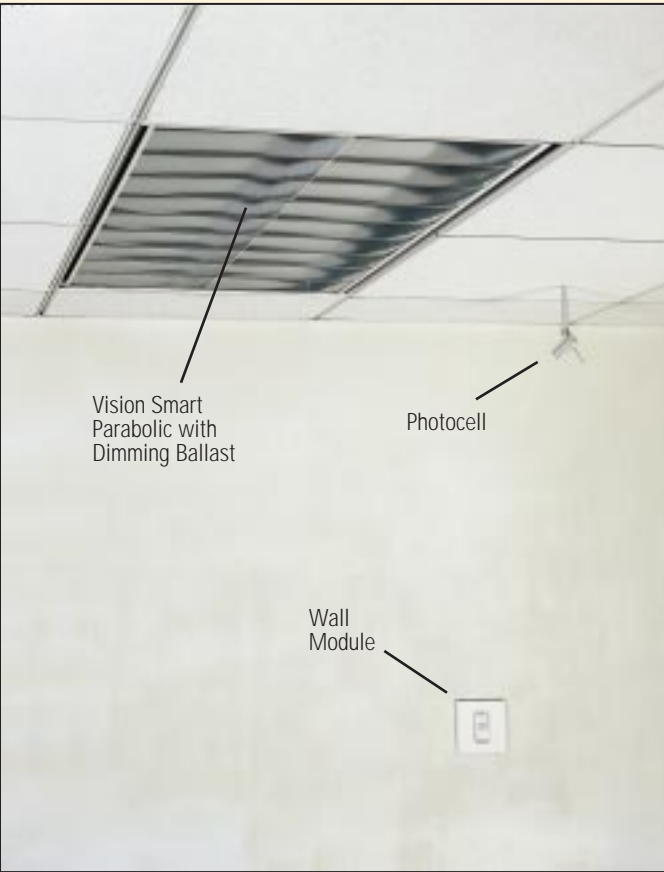
Twist Tee Hanger
For installation of 4 5/8" wide (channel) fixture on exposed "T" grid ceilings on hard surfaces. Provides 1 1/2" clearance from surface. Catalog Number: **AH3** (SW/KW) **AH3D** (SD/KD)



Stem and Canopy Set
Suspends fixture 6", 12", 18" or 24" from surface and can be used in conjunction with Heavy-Duty Slide Grip Hanger. Catalog Number: **ASC6** (6") **ASC12** (12") **ASC18** (18") **ASC24** (24")

Advanced Lighting System

Vision Smart recessed parabolics; Powerspec ballasts; and Photoset daylight dimmer, comprise the first system offered that meets the Preferred requirements of IES RP-1 for lighting VDT areas, and the Electric Power Research Institute's 1 watt/sq. foot energy goal. The system has a 3 year warrantee.



Photoset's Indirect Photocell

The indirect photocell is aimed at the back wall of the space, no more than 15' from the window wall. (Where the back wall is to far away, aim at a side wall 10'-15' from the window). The brightness of the wall seen by the Photocell should vary proportionally with the desired brightness of the overall space and task locations.

Photoset Wall Module (PS01KHDF-120)

This model incorporates an occupancy sensor with manual on/off, automatic off when there is no one in the room, manual override dimming and day light dimming when wired to the low voltage Photocell. The Wall Module has a bevel edge, white finish and a screwless face plate. All commissioning of the Photoset is done at the wall module. No ladders or special tools are required.

Commission on a bright, sunny day, when furniture and furnishings are in place. For the high setting, you adjust PhotoSet to maintain sufficient electric light for operation without daylight. Use a footcandle meter to measure illuminance on the work surface or judge by performing various

tasks. The result is the maintained or design light level and is generally 15-20% below the maximum produced by clean luminaires with new (but seasoned) lamps.

For low, you set the electric lighting at the minimum level needed to make the space feel properly lighted, when there is plenty of daylight. With direct lighting— where occupants can see whether the luminaires are "on"—a minimum of 30-50% of electric light is desirable, even on a bright, sunny day. This preserves some of the highlights and the familiar brightness pattern created by the luminaires.

The low setting automatically adjusts dimmer response to the Photocell. This compensates for differences between Photocell readings and the usable light on the task.

The high and low settings can be changed at any time.

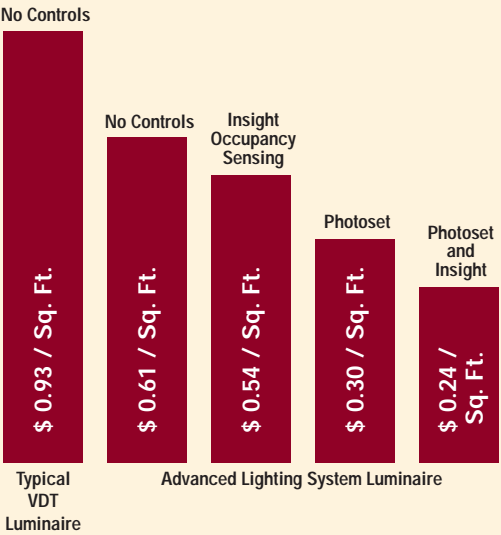
Vision Smart Parabolics with Power Spec Dimming Ballast:

See pages 6 thru 11 for features of various Vision Smart Parabolics.

Power Spec Dimming Ballast

Power Spec (HDF) Dimming ballast provides a 100-1% dimming range for T8 or T5 lamps. They meet ANSI and FCC requirements and the total harmonic distortion is less than 120% at full light output and less than 20% at low (see spec sheets for full details).

Annual Energy Cost



Energy savings depend on the lighting power density, occupancy profile, daylight contribution and cost of electricity. The data above is based on Vision Smart luminaires and PhotoSet controls in a 16' x 80' perimeter zone at \$ 0.10/KWH.



Lighting for patient rooms in health care facilities has been adapting to two major trends: more intensive use of medical technology and the desire for a simpler, more home-like atmosphere. Considerations of the patient's comfort, nursing efficiency and low-cost maintenance are the highest priority.

MD*4 Series

Multi-Function Patient Room Luminaire
Ambient/Reading/Examination/Nurse's Night Light



MD*4 combines all of the lighting functions in a patients room in a single luminaire that is ceiling mounted to permit clean headwalls. This facilitates architects and interior designers to create a more home like environment and moves the light fixture off the wall, a location where it can be damaged easily or interfere with medical equipment. MD*4 is more efficient and more economical than all other patient lighting systems.

Features

- 2x4 Unit has four lighting functions with integral ambient, reading, examination and optional nurse's night light.
- 2x2 Unit has three lighting functions with integral ambient, reading, and optional nurse's night light.
- Specular aluminum reflectors for precise light control for glare free patient environment.
- Installs as a one-piece unit. Recessed or surface mounted to ceiling against wall directly behind patient. Eliminates damage to fixture from hospital equipment attached to patients bed.
- 67/8" deep.
- Top wiring access plate is standard.
- All lamps are enclosed.
- All biax type lamps are accessible (for relamping) without tools.
- Rugged 20 gauge steel housing.
- UL544 Listed optional low voltage (1-3 volts) electronic sequential switch mounted in fixture for ambient and reading light controlled with pillow switch (by others).
- Examination Light in 2x4 has 36 cell specular aluminum parabolic louver with pattern 12 lens overlay.
- Meet NYC Code requirements.
- Model to meet Chicago Plenum requirements is available.

Options

277 Volt — Change 120 to 277 (i.e. MD4GPSVA2BX4BX120, MD4GPSVA2BX4BX277)

Electronic (Low Voltage) Sequential Switch Switch factory mounted in fixture for ambient and reading light convenience (controlled by pillow switch, by others). Suffix: **SW**.

Nurses Night Light 120V medium base, narrow spot, 50W PAR 20 reflector lamp with specular anodized mirror, field adjustable to right or left side of patients bed. Suffix: **NL**.

Fusing Internal fast-blow fusing. Suffix: **GLR**. Internal slow-blow fusing. Suffix: **GMF**.

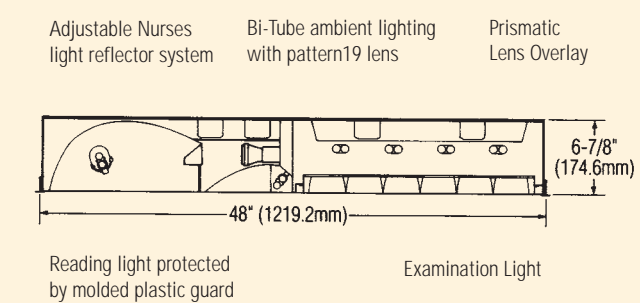
Electrical/Wiring Options Consult factory.

Tamper Proof Consult factory.

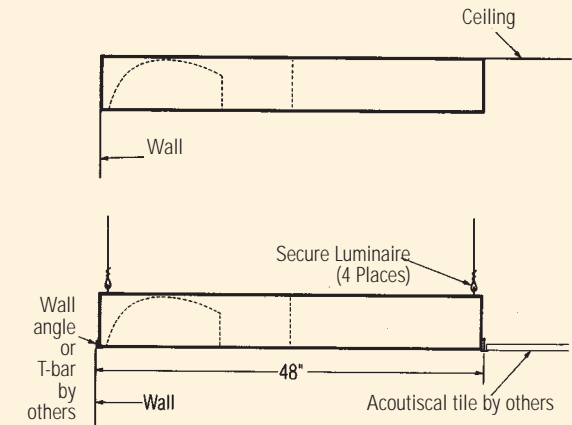
Germ Guard — Consult factory.

Chicago Plenum For products that meet Chicago Plenum requirements, add Suffix: **CP**.

MD4 (2 x 4)

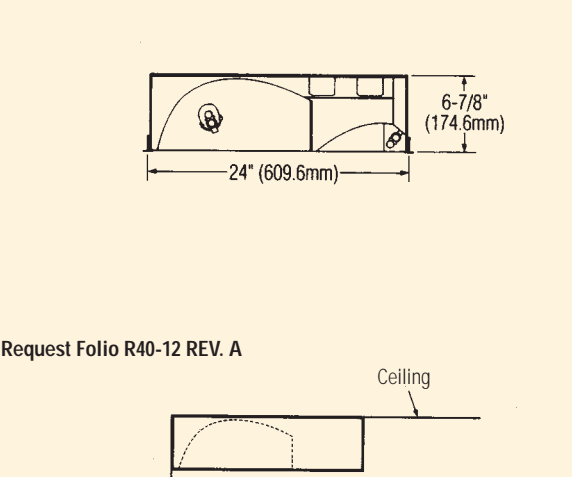


Request Folio R40-11 REV. A

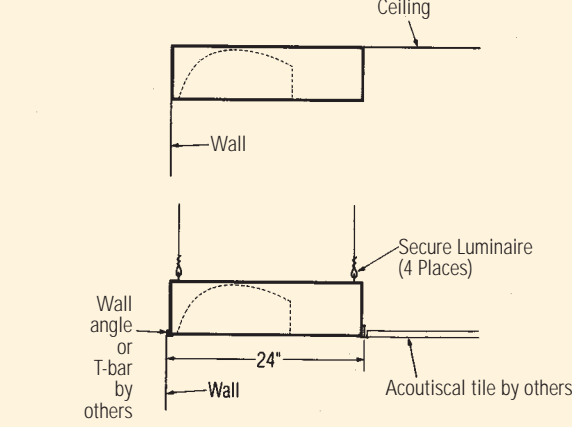


MD2 (2 x 2)

(2 types of lighting ambient / reading)

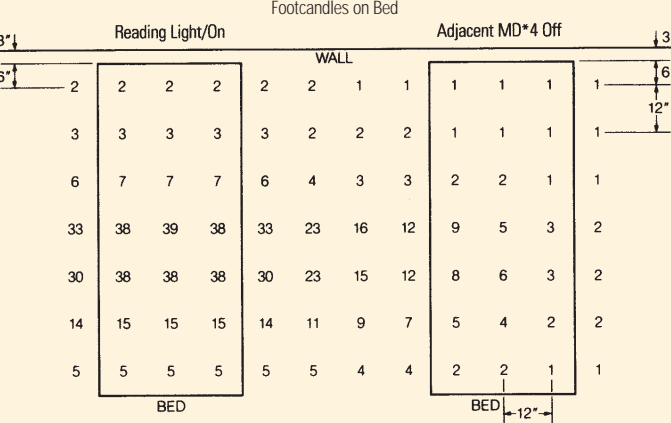


Request Folio R40-12 REV. A



Reading Light

Eliminates reflected glare from reading material (over the shoulder illumination). No direct glare to patient or visitors. (7 footcandles maximum at head of bed. 15 footcandles maximum at foot of bed.) Controls light directly onto patients bed. No reading light spill-over to adjacent beds. (2 footcandles maximum at head of adjacent patients bed.)



Illumination at the reading task ranges 50-80 footcandles.

MD4GPSVA2BX4BX
(EXAMPLE)

BASIC CATALOG NUMBER:
Multi-function Patient Luminaire

120
VOLTAGE:
120 or 277

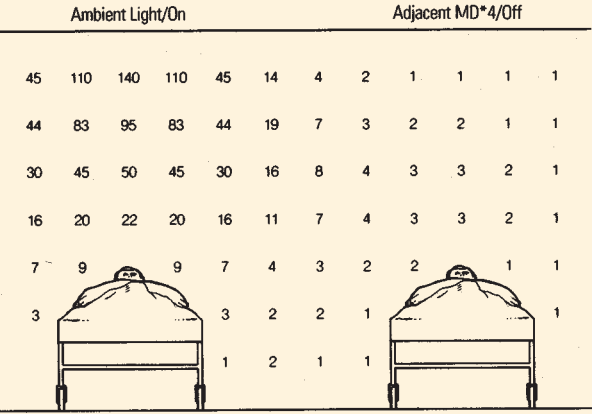
SW
ELECTRONIC SEQUENTIAL SWITCH

NL
NURSES NIGHT LIGHT

GLR
OPTIONS:
Add appropriate suffix to catalog no., ie: (GLR)

Ambient Light

Indirect illumination from wall directly behind patient provides glare-free lighting. No direct glare to patient (Light is directed towards wall.) No direct glare to patients visitor. No direct glare to adjacent patients. (3 footcandles maximum on wall behind adjacent patients bed.)



MD2G2BX
(EXAMPLE)

BASIC CATALOG NUMBER:

120
VOLTAGE:

SW
ELECTRONIC SEQUENTIAL SWITCH

NL
NURSES NIGHT LIGHT

GLR
OPTIONS:

Illumination at the reading task ranges 50-60 footcandles

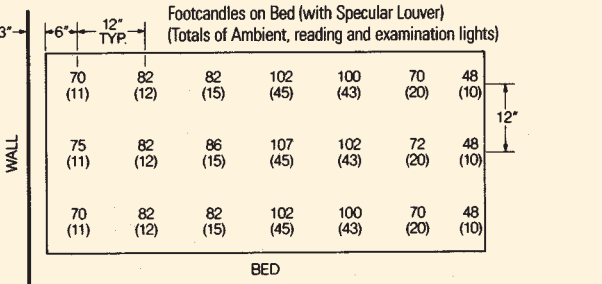
Medical Luminaires
Over-bed

Ordering Guide

Type	Examination Light Shielding	No. Exam Lamps	Ballast Type (Exam.)	Grid Ceiling
MD*4	36 Cell	4	Electro-magnetic	MD4GPSVA2BX4BX120
2'x4'	Low Iridescence	4	40W Electronic	MD4GPSVA2SB4SB120
with	Specular Louver	3	Electro-magnetic	MD4GPSVA2BX3BX120
Ambient,	with Prismatic	3	40W Electronic	MD4GPSVA2SB4SB120
Reading	Overlay			
and				
Examination				
Light				

Examination Light

Excellent color rendition. (82 CRI Bi-Tube Type lamp) Wired for independent switching (1 or 2 circuit).



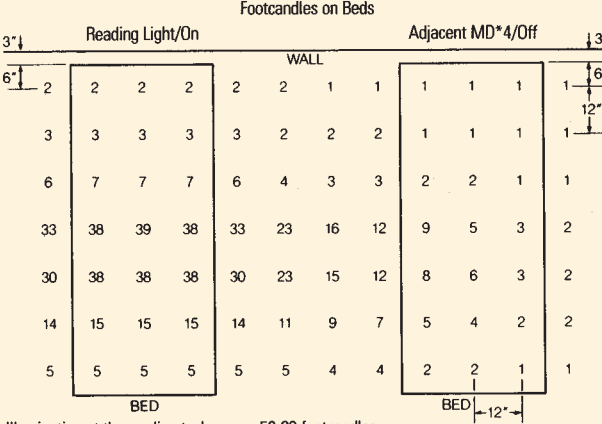
Numbers in parenthesis () are total footcandle level of ambient and reading lights only.

Ordering Guide

Type	Examination Light Shielding	No. Exam Lamps	Ballast Type (Exam.)	Grid Ceiling
MD*4	None	0	Electro-magnetic	MD2G2BX120
2'x2'		0	40W Electronic	MD2G2SB120
with Ambient, and Reading Light				

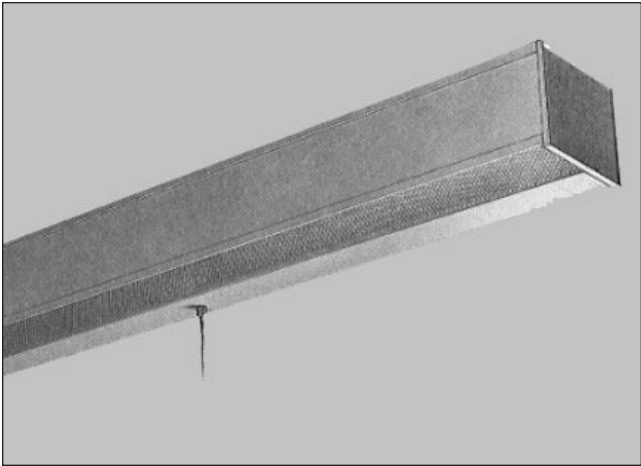
Reading Light

Eliminates reflected glare from reading material (over the shoulder illumination). No direct glare to patient or visitor. (7 footcandles maximum at head of bed. 15 footcandles maximum at foot of bed.) Controls light directly onto patients bed. No reading light spill-over to adjacent beds. (2 footcandles maximum at head of adjacent patients bed.)



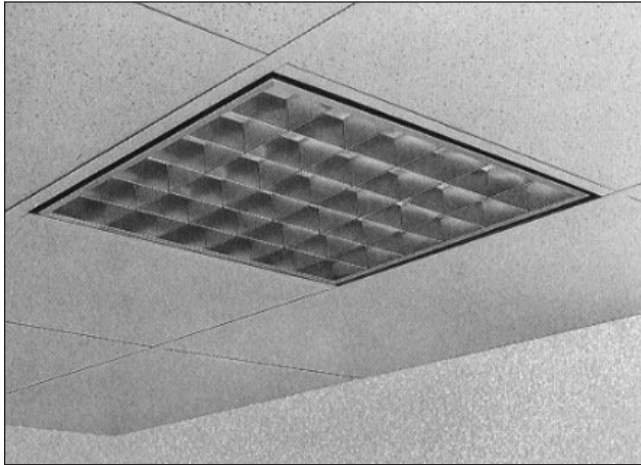
Illumination at the reading task ranges 50-60 footcandles

K*6
Over-bed, Wall Mounted

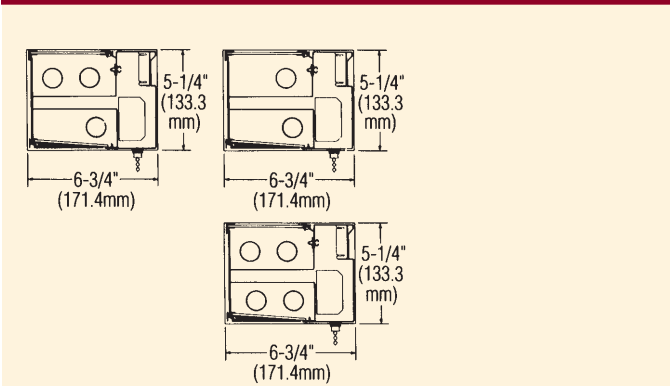


- Features**
- For nursing homes, hospitals and other health care facilities.
 - Separate lamp compartments for controlled uplight and downlight.
 - Four-way pull switch, standard (120 volt only).
 - Convenience outlet & KO's provided for left or right assembly.
 - 20 gauge steel body, extruded aluminum fascia assembly, die-cast aluminum ends.
 - Unitized electrical tray assembly.
 - Acrylic pattern 12 refractors.
 - Fascia hinged to open upward for easy lamp replacement.
 - Semi-gloss, off-white acrylic baked enamel exterior finish, standard.

MD*4
2'x2' Recessed Examination Light
36 Cell with Prismatic Overlay



- Features**
- 2 units provide 123 average footcandles on patients bed when installed over each end of bed.
 - Utilizes 2-2 lamp electronic ballast.
 - Utilizes 4-40 watt Blax type lamps with excellent color rendition (82 CRI).
 - 3 1/2" x 3 1/2" cell size.
 - Door jamb with integral positive light stop.
 - Spring-loaded latches.
 - Integral earthquake clip (patent number 5,072,344).



Request Folio R30-11 REV. A

Options

Ballast Specify voltage (120 or 277) and type and add suffix (eg. **277SS**).

Magnetic	Electronic	Dimming	Power Spec Dimming
4'-T12: LE	4'-T12: SS	T12: DIM	—
3'-T12: P	3'-T12: SS	—	—
4' or 3' T8: OC	T8: SO	T8: PS	—

Optional Fascia Insert Oak—to order substitute **K** for **S** in Catalog Number (i.e. K6**S**340 to K6**K**340).

Radio Interference Filter 120 or 277 volt, 50 or 60 Hz. One per fixture standard. Suffix: **RF**.

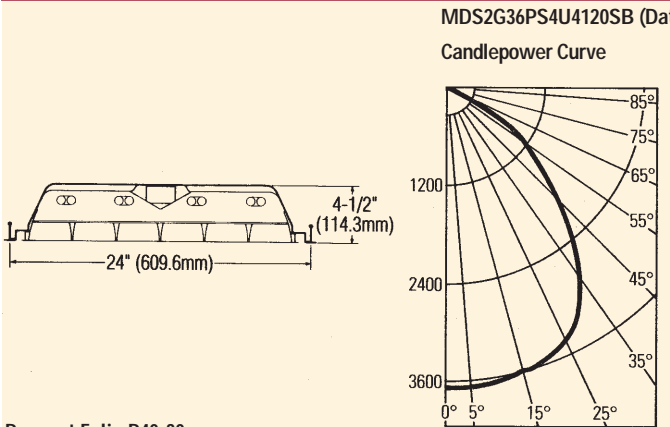
Low-Leakage Ballasts For electrically sensitive areas. Suffix: **LL**.

Electronic (Low Voltage) Sequential Switch Switch factory mounted in fixture for Up and Down Light Operation from pillow switch, UL544 listed. Includes phone jack type receptacle. Consult factory. (120 or 277 volt).

Momentary Button Cordset Traditional "Winged" Pendant Design ESD protection to 15000 volts. Heavy duty 7" cable. Consult factory.

Nite Light Consult factory.

Page 78



Request Folio R40-30

Options

Ballast Electronic 120 volt standard. For 277 volt, change 120 to 277, e.g. MDS2G36PS4U**4277**SB.

Fusing Internal fast-blow fusing. Suffix: **GLR**.
Internal slow-blow fusing. Suffix: **GMF**.

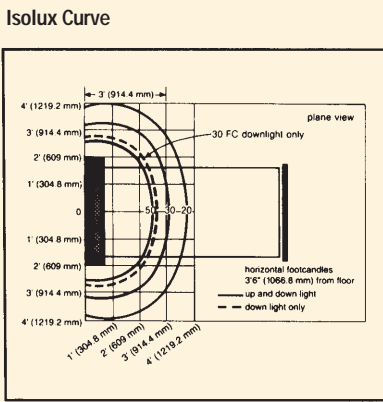
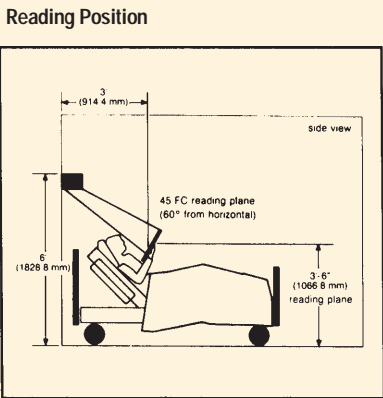
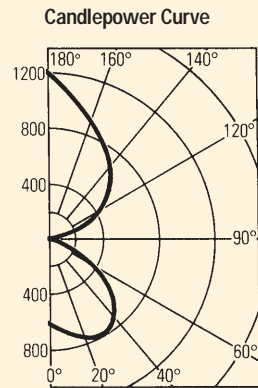
Radio Interference Filter 120 or 277 volt, 50 or 60 Hz. One per fixture standard. Suffix: **RF**.

Electrical/Wiring Options For special wiring, fusing, electronic dimming ballasts, consult factory.

NYC Code For products that meet NYC Code requirements, add Prefix: **N**.

NOTE: For concealed spline, plaster or drywall ceiling, use "G" type fixtures with either: **S2X2F** KIT (see Folio OA30-30), or DRYWALL KIT, **FK92X2** (see Folio OA30-10).

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Ordering Guide

Lamp Configuration	Fixture Length	Lamp Qty/Type	Catalog Number
2 Up/1 Down	49-3/16"	3-40RS	K6S340
2 Up/2 Down	49-3/16"	4-40RS	K6S440
1 Up/1 Down	49-3/16"	2-40RS	K6S240
2 Up/1 Down	37-3/16"	3-40RS	K6S330
2 Up/2 Down	37-3/16"	4-40RS	K6S430
1 Up/1 Down	37-3/16"	2-40RS	K6S230

K6S340

(EXAMPLE)

BASIC CATALOG NUMBER:
Over-bed wall mounted luminaire

120

VOLTAGE:
120 or 277

OC

BALLAST:
See page 84

LL

OPTIONS:
Add appropriate suffix to catalog no., ie: (LL)

Coefficients of Utilization				Reference Data	
RF	20%			Efficiency	55.9%
RC	80%			Spacing Ratio	1.3
RW	70	50	30	Electronic Ballast Input Watts (120V) 136.0W Ballast Factor .88 Luminaire Eff. (LER) 00.0	
RCR					
1	63	61	59		
2	59	56	53		
3	55	51	47		
4	51	46	42	Initial Footcandles on Bed	
5	48	42	38		
6	44	38	34		
7	41	35	31		
8	38	31	27		
9	35	28	24		
10	33	26	22		

1 Fixture		2 Fixtures		
52.5 54.8 52.7		106	111	107
63.9 66.8 64.1		119	125	120
74.5 78.0 74.7		128	134	129
77.9 81.6 78.1		133	139	133
75.6 79.1 75.8		132	138	133
68.6 71.8 68.8		123	129	123
57.6 60.3 57.9		109	114	110

MDS2G36PS4U4

(EXAMPLE)

BASIC CATALOG NUMBER:
Recessed Examination Light

120

VOLTAGE:
120 or 277

SB

BALLAST:

GLR

OPTIONS:
Add appropriate suffix to catalog no., ie: (GLR)

Ordering Guide

Type	Examination Light Shielding	T-Grid	Slot-T or Concealed T
MD*4 2'x2' Recessed Examination Light	36 Cell Low Iridescence Specular Louver with Prismatic Overlay	MDS2G36PS4U4120SB	MDS2T36PS4U4120SB
	36 Cell Low Iridescence Semi-specular Louver with Prismatic Overlay	MDS2G36LS4U4120SB	MDS2T36LS4U4120SB